

GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: May 8, 2003, 14:51:24 ; Search time 6124 Seconds

(without alignments)
13439.821 Million cell updates/sec

Title: US-09-497-822C-18

Perfect score: 5082

Sequence: 1 gagctctgacaaaattgag.....acaagcaacaaaaaaa 5082

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 16154066 seqs, 8097743376 residues

Total number of hits satisfying chosen parameters: 32308132

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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1: em_estha:*
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3: em_estin:*
4: em_estmu:*
5: em_estov:*
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7: em_estro:*
8: em_htc:*
9: gb_estl:*
10: gb_est2:*
11: gb_htc:*
12: gb_est3:*
13: gb_est4:*
14: gb_est5:*
15: em_estfun:*
16: em_estcom:*
17: gb_gss:*
18: em_gss_hum:*
19: em_gss_inv:*
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21: em_gss_vrt:*
22: em_gss_fun:*
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26: em_gss_pro:*
27: em_gss_rtd:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	571.8	11.3	654	10 AW951855	AW951855 EST363925
2	529	10.4	532	9 AL704463	AL704463 DKFZp886A
3	519.4	10.2	634	10 BB612466	BB612466 BB612466
4	501.4	9.9	568	9 AA524966	AA524966 nh35c11.s
5	462.2	9.1	724	9 AI317423	AI317423 uj22e09.y
6	380.6	7.5	388	9 AA229063	AA229063 nc49g07.5

C	7	369	7.3	369	9	AA229062
	8	368.4	7.2	628	10	BB617970
	9	361	7.1	413	14	T28396
	10	358.4	7.1	573	10	AW613116
	11	357.8	7.0	637	9	AI785019
	12	347.4	6.8	349	9	AA230070
	13	346	6.8	379	9	AA659567
	14	319	6.3	536	9	AI315085
	15	293.2	5.8	498	17	AZ017963
	16	285.4	5.6	292	9	AA229714
	17	247.6	4.9	395	17	AZ267276
	18	246.4	4.8	673	13	BI887100
	19	238	4.7	247	9	AI659563
	20	234.2	4.6	396	10	AW619096
	21	226.8	4.5	557	13	BI979490
	22	221.4	4.4	664	9	AL709143
	23	216.8	4.3	667	13	BI183393
	24	214.6	4.2	413	9	AI326670
	25	203.4	4.0	378	9	AI893550
	26	196.2	3.9	322	9	AI317523
	27	193.8	3.8	1033	14	BQ049864
	28	193.2	3.8	339	10	AW619117
	29	190.6	3.8	389	9	AA089319
	30	184.6	3.6	798	9	AU136010
	31	178.8	3.5	582	14	BM714196
	32	178.4	3.5	647	14	BM714773
	33	174.6	3.4	613	13	BG938686
	34	173	3.4	643	12	BG345621
	35	171.8	3.4	621	12	BG861115
	36	171.6	3.4	627	12	BG17008
	37	167.8	3.3	441	10	BB850026
	38	167.6	3.3	293	9	AA561201
	39	164.6	3.2	546	13	BG97346
	40	163.8	3.2	667	10	BB666485
	41	163.6	3.2	720	9	AU139958
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ALIGNMENTS

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LOCUS	EST363925	MAGE resequences,	MAGB Homo sapiens	cDNA,	mrna	sequence.
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ACCESSION	AW951855	EST.				
VERSION	AW951855.1	human.				
KEYWORDS	EST.					
SOURCE	human.					
ORGANISM	Homo sapiens					
REFERENCE	1	(bases 1 to 654)				
AUTHORS	Hegde,P., Qi,R., Abernathy,K., Dharap,S., Gaspard,R., Gay,C., Holt,I.E., Saeed,A.I., Sharov,V., Lee,N.H., Yeatman,T.J. and Quackenbush,J.					
TITLE	Assessment of gene expression patterns in a model of colon tumor metastasis using a 19,200 element cDNA microarray					
JOURNAL	Unpublished (2000)					
COMMENT	Contact: John Quackenbush The Institute for Genomic Research 9712 Medical Center Dr., Rockville, MD 20850, USA Tel: 301 838 3528 Fax: 301 838 0208 Email: johnqu@tigr.org Plate: 32 Seq primer: Reverse. Location/Qualifiers 1. 654 /organism="Homo sapiens"					

Department Lehrach
Max-Planck-Institute for Molecular Genetics
Innistrasse 73, 14195 Berlin, Germany
Tel: +49-30-84131623
Fax: +49-30-84131128
Email: poustka@mpg-berlin-dahlem.mpg.de
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
Heidelberg/DKFZ (German Cancer Research Center,
Heidelberg/Germany) within the cDNA sequencing consortium of the
German Genome Project.
No sl sequence available.
This clone (DKFZp686A1931) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubergweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.

FEATURES
Location/Qualifiers
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/organism="Homo sapiens"
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CDNA-collection"

BASE COUNT 139 a 131 c 142 g 117 t 3 others
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Best Local Similarity 99.4%; Pred. No. 1.5e-65;
Matches 529; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 3634 GCTGAAGGAAACAGAAAGTACCTGCGCCAGCAGAAATGATGCGATGATGATAAATTC 3693
DB 1 GCTGAAGGAAACAGAAAGTACCTGCGCCAGCAGAAATGATGCGATGATGATAAATTC 60
QY 3694 CGAAGCAAAATGTCCTCTGCTCGGAAATGATGAGCAGGAGGATGCTCTG 3753
DB 61 CGAAGCAAAATGTCCTCTGCTCGGAAATGATGAGCAGGAGGATGCTCTG 120
QY 3754 GGAGCCCGGAAGCTGAAGAACTTGGTAATCTGAACTACAGAGGAGGAGGCTTCC 3813
DB 121 GGAGCCCGGAAGCTGAAGAACTTGGTAATCTGAACTACAGAGGAGGAGGCTTCC 180
QY 3814 AGCACCACGAGCCCTGAGGAGACACCCAGAGCTGACAGTGTACACATTTGAAGC 3873
DB 181 AGCACCACGAGCCCTGAGGAGACACCCAGAGTGTACAGTGTACACATTTGAAGC 240
QY 3874 TATGAATGTGAGCCCATCTTCTGTAATGTCTGGAAGCCATTGAGCAGGTGTAGTGT 3933
DB 241 TATGAATGTGAGCCCATCTTCTGTAATGTCTGGAAGCCATTGAGCAGGTGTAGTGT 300
QY 3934 GCTGGACAGACAAACACGAGCCGAGCTCTTTCAGAGCTTGTCTCTAGCTCAATGAA 3993
DB 301 GCTGGACAGACAAACACGAGCCGAGCTCTTTCAGAGCTTGTCTCTAGCTCAATGAA 360
QY 3994 CTGGGAGAGAGACAGCTTGTACACGTGGTCAAGTGGGCAAGCCCTTGGCTTCCGC 4053
DB 361 CTGGGAGAGAGACAGCTTGTACACGTGGTCAAGTGGGCAAGCCCTTGGCTTCCGC 420
QY 4054 AACTTACAGTGGACACAGATGGCTGTCAATTCAGTACTCTCTGGATGGGCTCATGGTG 4113
DB 421 AACTTACAGTGGACACAGATGGCTGTCAATTCAGTACTCTCTGGATGGGCTCATGGTG 480
QY 4114 TTGGCATGGCTGGGAGCTTTCACCAATGTCACTCCAGGATGCTCTACT 4165
DB 481 TTGGCATGGCTGGGAGCTTTCACCAATGTCACTCCAGGATGCTCTACT 532

RESULT 3
BB612466

/db_xref="taxon:9606"
/clone_lib="MAGE resequences, MAGB"
/note="Vector: pBluescriptSKm"
BASE COUNT 166 a 183 c 133 g 172 t
ORIGIN

Query Match 11.3%; Score 571.8; DB 10; Length 654;
Best Local Similarity 95.3%; Pred. No. 1.2e-71;
Matches 622; Conservative 0; Mismatches 27; Indels 4; Gaps 3;

QY 4048 TTCGCACTTACAGTGGAGCAGATGGCTGCTCAATCAGTACTCCTGGATGGGCTC 4107
DB 1 TTCGCACTTACAGTGGAGCAGATGGCTGCTCAATCAGTACTCCTGGATGGGCTC 60
QY 4108 ATGGTGTGGCAGGGTGGCGATCTCTTACCAATGTCAACTCCAGGATGCTCTACTTC 4167
DB 61 ATGGTGTGGCAGGGTGGCGATCTCTTACCAATGTCAACTCCAGGATGCTCTACTTC 120
QY 4168 GCCCTGATCTGTTTCATGAGTACCGATGCAAGTCCCGGATGTACAGCCAGTGT 4227
DB 121 GCCCTGATCTGTTTCATGAGTACCGATGCAAGTCCCGGATGTACAGCCAGTGT 180
QY 4228 GTCCGAATGAGGCACTCTCTCAAGAGTTTGGATGGCTTCCAAATCACCCTCCAGGAATTC 4287
DB 181 GTCCGAATGAGGCACTCTCTCAAGAGTTTGGATGGCTTCCAAATCACCCTCCAGGAATTC 240
QY 4288 CTGTGCATGAAGCACTCTCTCTTCCAGCAATATTCAGTGGATGGCTGAAATCAAA 4347
DB 241 CTGTGCATGAAGCACTCTCTCTTCCAGCAATATTCAGTGGATGGCTGAAATCAAA 300
QY 4348 AAATCTTTGATGATCTGATCACTGATCACTGATCACTGATCACTGATCACTGATCA 4407
DB 301 AAATCTTTGATGATCTGATCACTGATCACTGATCACTGATCACTGATCACTGATCA 360
QY 4408 AAAGAAAAATCCACATCTCTGCTCAAGAGCTTCTACCAAGCTCACCAGCTCCTGGAC 4467
DB 361 AAAGAAAAATCCACATCTCTGCTCAAGAGCTTCTACCAAGCTCACCAGCTCCTGGAC 420
QY 4468 TCCGTGAGCCCTATTCGAGAGAGCTGATCACTGATCACTGATCACTGATCACTGATCA 4527
DB 421 TCCGTGAGCCCTATTCGAGAGAGCTGATCACTGATCACTGATCACTGATCACTGATCA 480
QY 4528 CACATGGTGGAGCTGGACTTTCCGAAATGATGGCAGAGATCACTCTGTCAAGTGGCC 4587
DB 481 CACATGGTGGAGCTGGACTTTCCGAAATGATGGCAGAGATCACTCTGTCAAGTGGCC 540
QY 4588 AAGATCCTTCTGGG-AAAGTCAAGCCCATCTATTT-CCACACCCAGTGAAGATTTGAA 4645
DB 541 AAGATCCTTCTGGGAAAGTCAAGCCCTTCTTTTCCACACCCAGTGAAGATTTGAA 600
QY 4646 A--CCCTATTTCCACCCAGCTCATGCCCTTTTATGAGATGTCTTCTGCTG 4696
DB 601 AACCCCTTTTCCACCCAGCTCATGCCCTTTTATGAGATGTCTTCTGCTG 653

RESULT 2
AL704463

LOCUS AL704463 532 bp mRNA linear EST 22-MAR-2002
DEFINITION DKFZp686A1931_r1 686 (synonym: hlcc3) Homo sapiens cDNA clone
ACCESSION AL704463
VERSION AL704463.1 GI:19687818
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 532)
Poustka,A., Wellenreuther,R., Mewes,H.W., Weil,B. and Wiemann,S.).
EST (Poustka,A., Wellenreuther,R., Mewes,H.W., Weil,B. and Wiemann
,S.)
JOURNAL Unpublished (1999)
COMMENT Contact: Poustka A.J.

LOCUS BB612466 634 bp mRNA linear EST 31-AUG-2001
DEFINITION BB612466 RIKEN full-length enriched, 0 day neonate skin Mus musculus cDNA clone 4632412C07 5', mRNA sequence.
ACCESSION BB612466
VERSION BB612466.1 GI:15394854
KEYWORDS EST.
SOURCE house mouse.
ORGANISM Mus musculus
REFERENCE Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 634)
AUTHORS Arakawa,T., Carninci,P., Fukuda,S., Furuno,M., Hanagaki,T., Hara,A., Hiramoto,K., Hori,F., Ishii,Y., Ito,M., Kawai,J., Konno,H., Kouda,M., Koya,S., Matsuyama,T., Miyazaki,A., Nomura,K., Ohno,M., Okazaki,Y., Okido,T., Saito,R., Sakai,C., Sakai,K., Sano,H., Sasaki,T., Shibata,K., Shinagawa,A., Shiraki,T., Sugabe,Y., Suzuki,H., Tagami,M., Tagawa,A., Takahashi,F., Takeda,Y., Tanaka,T., Toyota,T., Muramatsu,M. and Hayashizaki,Y.
TITLE RIKEN mouse ESTs (Arakawa,T., et al. 2001)
JOURNAL Unpublished (2001)
COMMENT Contact: Yoshihide Hayashizaki
 Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center(GSC), Yokohama Institute
 The Institute of Physical and Chemical Research (RIKEN)
 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
 Tel: 81-45-503-9222
 Fax: 81-45-503-9216
 Email: genome-res@gsc.riken.go.jp,
 URL: http://genome.gsc.riken.go.jp/
 Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K., Itoh,M., Konno,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.
 Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes. Genome Res. 10 (10), 1517-1630 (2000)
 waga,K., Fujiwara,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E., Watahiki,M., Yoneda,Y., Ishikawa,T., Ozawa,K., Tanaka,T., Matsura S., Kawai,J., Okazaki,Y., Muramatsu,M., Inoue,Y., Kira,A. and Hayashizaki,Y.
 RIKEN integrated sequence analysis (RISA) system-384-format sequencing pipeline with 384 multicapillary sequencer. Genome Res. 10 (11), 1757-1771 (2000)
 Konno, H., Fukunishi,Y., Shibata,K., Itoh,M., Carninci,P., Sugahara,Y. and Hayashizaki,Y.
 Computer-based methods for the mouse full-length cDNA encyclopedia: real-time sequence clustering for construction of a nonredundant cDNA library. Genome Res. 11 (2), 281-289 (2001)
 Yamanaka,I., Kiyosawa,H., Kondo,S., Saito,T., Shinagawa,A., Aizawa,K., Fukuda,S., Hara,A., Itoh,M., Kawai,J., Shibata,K., Arakawa,T., Ishii,Y. and Hayashizaki,Y.
 Mapping of 19032 mouse cDNAs on mouse chromosomes. J. Struct. Func. Genomics 2 pre, L72-L86 (2001)
 Please visit our web site (<http://genome.gsc.riken.go.jp>) for further details.

FEATURES	SOURCE
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RESULT 4	
AA524966/c	
LOCUS	
DEFINITION	
ACCESSION	
VERSION	
KEYWORDS	
SOURCE	
ORGANISM	

RESULT 4
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LOCUS
DEFINITION
568 bp mRNA linear EST 05-AUG-1997
rh3sc11.s1 NCI_CGAP_Pr3 Homo sapiens cDNA clone IMAGE:954356
similar to gb:M23263 ANDROGEN RECEPTOR (HUMAN); mRNA sequence.
ACCESSION
AA524966
VERSION
AA524966.1 GI:2265894
KEYWORDS
EST.
SOURCE
human.
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

REFERENCE AUTHORS TITLE	Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.	
	1 (bases 1 to 568)	
	NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap .	
JOURNAL COMMENT	National Cancer Institute, Cancer Genome Anatomy Project (CGAP),	
	Tumor Gene Index	
	Unpublished (1997)	
FEATURES source	Contact: Robert Strausberg, Ph.D.	
	Email: cgaps@mail.nih.gov	
	Tissue Procurement: W. Marston Linehan, M.D., Rodrigo Chuahqui, M.D.	
FEATURES source	, Michael Emmert-Buck, M.D., Ph.D.	
	cDNA Library Preparation: David B. Krizman, Ph.D.	
	cDNA Library Arrayed by: Genome Systems Inc., Greg Lennon, Ph.D.	
FEATURES source	DNA Sequencing by: Washington University Genome Sequencing Center	
	Clone distribution: NCI-CGAP clone distribution information can be	
	found through the I.M.A.G.E. Consortium/LLNL at:	
FEATURES source	www-bio.llnl.gov/bbr/image/image.html	
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	strand cDNA was primed with oligo(dT)17 on 50 ng of	
FEATURES source	DNase-treated, total cellular RNA obtained from 5,000-10	
	,000 microdissected cells histologically-determined to be	
	fully malignant prostate cancer cells. Double-stranded	
FEATURES source	cDNA was ligated to EcoRI adaptors, 5 cycles of PCR	
	applied to the cDNA with an adaptor-specific primer, and	
	the resulting PCR product subcloned into pAMP10 by the	
FEATURES source	UDG-cloning method (Life technologies). Average insert	
	size is 600 bp. NOTE: Not directionally cloned. This	
	library was constructed by David Krizman.	
FEATURES source	186 a 153 g 130 t	
	99 c	
	9.9%; Score 501.4; DB 9; Length 568;	
FEATURES source	Best Local Similarity 98.5%; Pred. No. 1.2e-61;	
	Matches 527; Conservative 0; Mismatches 6; Indels 2; Gaps 2;	
FEATURES source	QY 4529 ACATGGTGGAGTGGACCTTCGGAAATGATGGCAGAGATCATCTGTGGAAGTG-CCC 4587	
	Db 550 ACATGGTGGAGTGGACCTTCGGAAATGATGGCAGAGATCATCTGTGGAAGTG-CCC 491	
FEATURES source	QY 4588 AAGATCCCTTCTGGGAAGTCAAGCCCATCTATTTCCACCCAGTGAAGCATTTGGAAC 4647	
	Db 490 AAGATCCCTTCTGGGAAGTCAAGCCCATCTATTTCCACCCAGTGAAGCA-TGGAAC 432	
FEATURES source	QY 4648 CCTATTCCCAACCCAGTCATGCCCCCTTCAGATGCTTCTGCCGTGTTAATCACTG 4707	
	Db 431 CCTATTCCCAACCCAGTCATGCCCCCTTCAGATGCTTCTGCCGTGTTAATCACTG 372	
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	Db 371 CACTACTCTCTGCAGTGCCCTTTGGGGAATTCCTCTATTGATGATACATCTGTCAATGAC 312	
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	Db 311 ATGTTCTCAATCTATTGCTGGGCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTC 252	
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	Db 251 TTCCCTCCCTATCTAACCCCTCCCATGGCACCCTTCAGACTTTGCTTCCCATTTGTGCTCCT 192	
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BB617970 628 bp mRNA linear; EST 26-OCT-2001
BB617970 RIKEN full-length enriched¹ adult male pituitary gland Mus
musculus cDNA clone 5330428613 5', mRNA sequence.
BB617970
BB617970
BB617970.1 GI:16457679
EST.
house mouse.
Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 628)
Arakawa, T., Carnici, P., Fukuda, S., Furuno, M., Hanagaki, T., Hara, A.,
Hiramoto, K., Horii, F., Ishii, Y., Ito, M., Kawai, J., Konno, H., Kouda
M., Koya, S., Matsuyama, T., Miyazaki, A., Nomura, K., Ohno, M.,
Okazaki, Y., Okido, T., Saito, R., Sakai, C., Sakai, K., Sano, H., Sasaki
D., Shibata, K., Shinagawa, S., Shiraki, T., Sogabe, Y., Suzuki, H.,
Tagami, M., Tagawa, A., Takahashi, F., Takeda, Y., Tanaka, T., Toya, T.,
Mura matsuo, M. and Hayashizaki, Y.
RIKEN Mouse ESTs (Arakawa, T., et al. 2001)

RIKEN Mouse ESTs (Arakawa, T., et al. 2001)
Unpublished (2001)
Contact: Yoshihide Hayashizaki
Laboratory for Genome Exploration Research Group, RIKEN Genomic
Sciences Center (GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
Tel: 81-45-503-9222
Fax: 81-45-503-9216
Email: genome-res@gsc.riken.go.jp/
URL: <http://genome.gsc.riken.go.jp/>
Carinci, P., Shibata, Y., Hayatsu, N., Sugahara, Y., Shibata, K., Itoh
M., Konno, H., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y.
Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new
genes. Genome Res. 10 (10), 1617-1630 (2000)
wagi, K., Fujiwaka, S., Inoue, K., Togawa, Y., Izawa, M., Ohara, E.,
Watahiki, M., Yoneda, Y., Ishikawa, T., Ozawa, K., Tanaka, T., Matsuura
S., Kawai, J., Okazaki, Y., Muramatsu, M., Inoue, Y., Kira, A. and
Hayashizaki, Y.

sequencing pipeline with 384 multicapillary sequencer. Genome Res. 10 (11), 1757-1771 (2000)

Konno, H., Fukunishi, Y., Shibata, K., Itoh, M., Carninci, P., Sugahara, Y. and Hayashizaki, Y.

Computer-based methods for the mouse full-length cDNA encyclopedia: real-time sequence clustering for construction of a nonredundant cDNA library. Genome Res. 11 (2), 281-289 (2001)

Kondo, S., Shinagawa, A., Saito, T., Kiyosawa, H., Yamanaka, I., Alizadeh, K., Fukuda, S., Hara, A., Itoh, M., Kawai, J., Shibata, K. and Hayashizaki, Y.

Computational Analysis of Full-Length Mouse cDNAs Compared with Human Genome Sequences. Mamm. Genome. 12, 673-677 (2001)

Please visit our web site (<http://genome.gsc.riken.go.jp>) for further details.

e mouse tissues.

Location/Qualifiers

1. 628

/organism="Mus musculus"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="5330428G13"

/clone.lib="RIKEN full-length enriched, adult male pituitary gland"

/sex="male"

/tissue_type="pituitary gland"

/dev_stage="adult"

/lab_host="DH10B"

/note="Site_1: Sali; Site_2: BamHI; cDNA library was prepared and sequenced in Mouse Genome Encyclopedia Project of Genome Exploration Research Group in Riken Genomic Sciences Center and Genome Science Laboratory in RIKEN, Division of Experimental Animal Research in Riken

contributed to prepare mouse tissues. 1st strand cDNA was primed with a primer [5', GAGAGAGAGATCTCAAGAGCTTTTTTTTTTTTTTNN 3'], cDNA was prepared by using trehalose thermo-activated reverse transcriptase and subsequently enriched for full-length by cap-trapper. cDNA went through one round of normalization to Rot = 3.0 and subtraction to Rot = 100.0. Second strand cDNA was prepared with the primer adapter of sequence [5', GAGAGAGATCTCGAGTAATTAATTAATTCCTCCGCCCC 3']. cDNA was cloned into the XhoI and BamHI sites. Vector: a modified pBluescript KS(+) after bulk excision from Lambda FLC I. Cloning sites, 5' end: Sall; 3' end: BamHI.^a

BASE COUNT	ORIGIN	Query Match	Score	DB	Length
151 a	209 c	85 t	368.4	10	628
FLC 1: Cloning sites, 5' end: Sali; 3' end: BamHI.					
Best Local Similarity 75.88; Pred. No. 7.1e-43; Matches 502; Conservative 0; Mismatches 91; Indels 69; Gaps 1;					

1804	QY	GAGCAAGAGAGGAGGGGGTAAAGGAAAGTAGTGGAAAGATTACAGCCAAAGCTCAAGG	1803
3	Db	GAGCAAGAGAGAGGAGGAGGATTAAGGGAATTCGGTGGAAAGTACAGAAAGCTCAAGG	62
1864	QY	ATGGAAGTGCAGTTAGGGCTGGGAAGGCTTACCTCGGCGCCGCTCCAAAGACCTTACCGA	1923
63	Db	ATGGAAGTGCAGTTAGGGCTGGGAAGGCTTACCAACGGCCCATCCAAAGACCTTATCGA	122
1924	QY	GGAGCTTTCAGAAATCTGTTCCAGAGCGTGGCGGAAGTGATCCAGAAACCCGGGCCCAGG	1983
123	Db	GGAGCGTTCCAGAAATCTGTTCCAGAGCGTGGCGGAAGCGATCCAGAAACCCGGGCCCAGG	182
1984	QY	CACCCAGAGCGCGAGAGCGCAGCACTCCGCGGCGCCAGTTTGTGCTGCTGCAGCAGCAG	2043
183	Db	CACCTTGAGCGCGCTAAATAGCACTCCGCGGCGCTGTT-----	223
2044	QY	CAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG	2103
224	Db	-----ACAGCAGAGG	233
2104	QY	CAGCAGACACTAGCCCGCAGGCAGCAGCAGCAGCAGGAGTGGATGTTCTTCCCAAA	2163
234	Db	CAGGAGACTAGCCCGCGCGCGCGGCAGCAGCAGCAGTGGAGTGGTCTCTCTCAA	293
2164	QY	GCCATTCTGAGAGGCCCCACAGGCTACTTGGTCTGGTAGGAGACACAACTTACAG	2223
294	Db	GCCACATCAGAGGCCCCACAGGCTACTTGGCCCTGGAGGAAACAGACGCTTTCACAG	353
2224	QY	CCGAGTCGGCCCTGGAGTGCCACCCGAGAGAGTGTGCGTCCAGAGCCTTGAGCGCGC	2283
354	Db	CAGCAGGCACTCCGAGGGGCCACCTTGAGAGCAGTGTGCTCCCGAGCCTTGGGCGGCC	413
2284	QY	GTGGCGCCGACAGAGGGCTGCCGAGCAGCTCCAGCAGCTCCGAGAGGATGATCA	2343
414	Db	ACCGCTCTTGGCAGGGGCTGCCGAGCAGCACCAGCTCTCCAGATCAGATGACTCA	473
2344	QY	GCTGCCCATCCAGTTGTCCCTGCTGGGCCCCACTTTCCCGGCTTAAGCAGCTGCTCC	2403
474	Db	GCTGCCCATCCAGTTGTCCCTGCTGGGCCCCACTTTCCAGGCTTAAGCAGCTGCTCC	533
2404	QY	GCTGACCTTAAAGACATCTTGACGAGGCGCCAGCACCATGCACTCTTCAGCAACAGCAG	2463
534	Db	GCGACATTAAAGACATTTGAACGAGGCGCGCACCATTCGCAACTTTTTAGCAGCAGCAA	593
2464	Y	CA 2465	
594	CA	595	

RESULT 9
T28396
LOCUS
T28396
DEFINITION
EST41738 Human Uterus Homo sapiens
receptor (HT:1334), mRNA sequence.
413 bp mRNA linear EST 06-SEP-1995
cDNA 5' end similar to androgen

ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

T28396
T28396.1 GI:610494

Homo sapiens

REFERENCE
AUTHORS

T28396
T28396.1 GI:610494
EST.
human.
Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Hominidae; Homo.

1. *Mammalia*; *Eutheria*; *Primates*; *Catarrhini*; *Hominidae*; *Homo*.
1 (bases 1 to 413)
Adams, M.D., Kervilange, A.R., Fleischmann, R.D., Fuldner, R.A., Bult,
C.-J., Lee, N., Kirkness, E.F., Weinstein, K.G., Gocayne, J.D., White
O., Sutton, G., Blake, J.A., Brandon, R.C., Chiu, M.-W., Clayton, R.A.
Cline, R.T., Cotton, M.D., Earle-Hughes, J., Fine, L.D., Fitzgerald,
L.M., FitzHugh, W.M., Fritchman, J.L., Georghagen, S.W., Glodex, A.,
Gnehm, C.L., Hanna, M.C., Hedblom, E., Hinkley, P.S., Kelley, J.M.,
Klimek, K.M., Kelley, J.C., Liu, L.-I., Marmaros, S.N., Merrick, J.M.,
Moreno-Palancas, R.F., McDonald, J.A., Nguyen, D.T., Pellegrino, S.M.,
Phillips, C.A., Ryder, S.E., Scott, J.I., Saudek, D.M., Shirley, R.,
Small, A.V., Spriggs, T.A., Utterback, T.R., Weidman, J.F., Li, Y.,
Bednarek, D.P., Cao, L., Cepeda, M.A., Coleman, T.A., Collins, E.-J.,
Dunke, D., Feng, P., Ferrie, A., Fischer, C., Coleman, T.A., Collins, E.-J.,
Hu, J.-S., Greene, J.M., Gruber, J., Hudson, P., Hastings, G.A., He, W.-W.,
Kunsch, C., Ji, H., Xu, H., Meissner, P.S., Olsen, H., Kozak, D.L., Wei,
Y.-F., Wing, J., Li, C., Yu, G., Ruben, S.M., Dillon, P.J., Fannon,
M.R., Rosen, C.A., Haseltine, W.A. Fields, C., Fraser, C.M., and
Venter, J.C.

TTT.E

JOURNAL
MEDLINE
COMMENT

Contact: Venter, JC
The Institute for Genomic Research
932 Clopper Rd, Gaithersburg, MD 20878
Tel: 3018699056
Fax: 3018699423

Email: tdbinfo@tdb.tiar.org

For clone availability, additional sequence and expression information related to this EST, please contact: the TIGR Database (tdbinfo@tdb.tigr.org)

Seq primer: M13 Reverse.

FEATURES
SOURCE

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/organism="Homo sapiens"
/db_xref="ATCC (inhost):102309"
/db_xref="taxon:9606"
/clone_lib="Human Uterus"

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BASE COUNT	100 a	108 c	92 g	107 t	6 others
ORIGIN	/note="Organ: uterus"				

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Best Local Similarity 94.5%; Pred. No. 1e-41;
Matches 381; Conservative 0. Mismatches 21.

QY	4047	CTTCCGCAACTTACACGTGGAGCACCAGAGTGGCTGTCACTTCACTACTCTCGATGGGCT	4106
Db	1	CTTCCGCAACTTACACGTGGAGCACCAGATGGCTGTNATTCAGTACTCTCGATGGGCT	60
QY	4107	CATGGTGTGGTCCATGGCTGGCGATCTTCACCAATGTCAACTCCAGATGCTCTACTTT	4166
Db	61	CATGGTGTGGTCCATGGCTGGCGATCCTTCACCAATGTNACTCCAGATGCTCTACTTT	120
QY	4167	CGCCCCGTATCTGGTGTTCATATGAGTACCGGATGACACAGTCCCGGATACAGGCCATG	4226
Db	121	CGCCCCCTNATCTGGTGTTCATATGAGTACCGCATGACACAGTCCCGGATACAGGCCATG	180
QY	4227	TGTCCGAATGAGGCACCTCTCTCAAGAGTTTGGATGGCTCCAATCACCCGCCAGAAAT	4286
Db	181	TGTCCGAATGAGGCACCTCTCTCAAGAGTTTGGATGGCTCCAATCACCCGCCAGAAAT	240
QY	4287	CTGTGCGATGAAGCACTGTCTCTTCAGCATTTATTCAGTGGATGGGCTGAAAAATCA	4346
Db	241	CTGTGCGATGAAGCACTGTCTCTTCAGCATTTATTCAGTGGATGGGCTGAAAAATCA	300

[illegible]

QY	4945	CAGTGTCAAGTTGCTGTGTTACAGCACACTACTGTGTCGACGCCACACAAACGTTTACTT	5004
Db	137	CAGTGTCAAGTTGCTGTGTTACAGCACACTACTGTGTCGACGCCACACAAACGTTTACTT	78
QY	5005	ATCTTATGCCACGGAAGTTTAGAGAGCTAAGATTATCTGGGGAATCAAAACAAAAAC	5064
Db	77	ATCTTATGCCACGGAAGTTTAGAGAGCTAAGATTATCTGGGGAATCAAAAC-ACAGAC	19
QY	5065	AAGCAAAACAAAAAAA	5082
Db	18	AAGCAAAACAAAAAAA	1
RESULT	14		
LOCUS	AI315085	536 bp mRNA linear	EST 17-DEC-1998
DEFINITION	u323g04.x1 Sugano mouse kidney mkia Mus musculus cDNA clone		
	IMAGE:1920822 3' similar to gb:X53779 Mouse mRNA for androgen		
	receptor (MOUSE);, mRNA sequence.		
ACCESSION	AI315085		
VERSION	AI315085.1	GI:4030352	
KEYWORDS	EST.		
SOURCE	house mouse.		
ORGANISM	Mus musculus		
REFERENCE	Authors		
	Enkaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 536)		
	Marr, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Geisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylie, T., Lennon, G., Soares, B., Willson, R. and Waterston, R.		
TITLE	The WashU-HMI Mouse EST Project		
JOURNAL	Unpublished (1996)		
COMMENT	Contact: Maria M/Mouse EST Project WashU-HMI Mouse EST Project Washington University School of MedicineP 4444 Forest Park Parkway, Box 8501, St. Louis, MO-63108 Tel: 314 286 1800 Fax: 314 286 1810 Email: mouseest@watson.wustl.edu This clone is available royalty-free through LNL; contact the IMAGE Consortium (info@image.lnl.gov) for further information. MGI:977114		
FEATURES	Seq primer: custom primer used High quality sequence stop: 487.		
source	Location/Qualifiers		
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	/strain="C57BL"		
	/db_xref="taxon:10090"		
	/clone="IMAGE:1920822"		
	/clone_lib="Sugano mouse kidney mkia"		
	/sex="female"		
	/dev_stage="adult"		
	/lab_host="DH10B"		
	/note="organ: kidney; Vector: pME18S-FL3; Site.1: DraIII (CACTGTGTG); Site.2: DraIII (CACTGTGTG); 1st strand CDNA was primed with an oligo(dT) primer ligated to a DraIII adaptor (TCTGTGGCTACTGG), digested and cloned into distinct DraIII sites of the pME18S-FL3 vector (5' site CACTGTGTG, 3' site CACTGTGTG). XhoI should be used to isolate the cDNA insert. Size selection was performed to exclude fragments <1.5kb. Library constructed by Dr. Sumio Sugano (University of Tokyo Institute of Medical Science). Custom primers for sequencing: 5' end primer CTCTGCTCTCTAAAGCTGG and 3' end primer CGACCTGCAGCTCGAGCACA."		
BASE COUNT	181 a	101 c	129 g
ORIGIN	124 t	1 others	
Query Match	6.3%	Score 319;	DB 9; Length 536;

